PENDING CLAIMS AS AMENDED

Please amend the claims as follows:

1. (Currently Presented) A method for generating data for transmission from a subscriber unit to a base station, comprising:

modulating each of a plurality of channel encoded data with an associated code to produce a plurality of streams of modulated symbols;

combining the plurality of streams of modulated symbols into a combined stream; and

complex multiplying said combined stream with a complex pseudonoise code to reduce a peak-to-average ratio of the transmission,

wherein the modulating each of the plurality of channel encoded data with the associated code comprises:

modulating a pilot channel encoded data with a first code to produce a first stream of modulated symbols; and

modulating a user first channel encoded data with a second code to produce a second stream of modulated symbols.

2. (Canceled).

3. (Previously Presented) The method as claimed in claim 1, wherein said combining the plurality of streams of modulated symbols comprises:

providing said first stream of modulated symbols separately from said second stream of modulated symbols for said complex multiplying.

4. (Previously Presented) The method as claimed in claim 1, further comprising:

modulating a user second channel encoded data with a third code to produce a third stream of modulated symbols.

5. (Previously Presented) The method as claimed in claim 1, wherein said combining the plurality of streams of modulated symbols comprises:

adding the first stream of modulated symbols to the second stream of modulated symbols to provide a first added stream of modulated symbols; and

providing said first added stream of modulated symbols separately from a third stream of modulated symbols for said complex multiplying.

6. (Previously Presented) The method as claimed in claims 1, further comprising:

modulating a control channel encoded data with a fourth code to produce a fourth stream of modulated symbols.

7. (Previously Presented) The method as claimed in claim 6, wherein said combining the plurality of streams of modulated symbols comprises:

adding the fourth stream of modulated symbols to one of the first and the second stream of modulated symbols to provide a first added stream of modulated symbols; and

providing said first added stream of modulated symbols separately from the remaining of the first and the second stream of modulated symbols for said complex multiplying.

8. (Original) The method as claimed in claim 4, further comprising:

modulating a control channel encoded data with a fourth code to produce a fourth stream of modulated symbols.

9. (Previously Presented) The method as claimed in claim 8, wherein said combining the plurality of streams of modulated symbols comprises:

adding the first stream of modulated data to the second stream of modulated symbols to provide a first added stream of modulated symbols; and

adding the fourth stream of modulated data to the third stream of modulated symbols to provide a second added stream of modulated symbols;

providing said first added stream of modulated symbols separately from the second added stream of modulated symbols for said complex multiplying.

10. (Previously Presented) The method as claimed in claim 1, wherein the complex pseudonoise code comprises an in-phase pseudonoise code component and a quadrature-phase pseudonoise code component.

11. (Previously Presented) The method as claimed in claim 10, wherein the in-phase pseudonoise code component and the quadrature-phase pseudonoise code component are multiplied by a long code.

12. (Previously Presented) The method as claimed in claim 1, wherein said complex multiplying comprises:

using a first of the combined streams and an in-phase pseudonoise code component as real parts; and

using a second of the combined streams and a quadrature-phase pseudonoise code component as imaginary parts.

13. (Previously Presented) The method as claimed in claim 12, wherein said complex multiplying comprises:

multiplying the first of the combined streams by the in-phase pseudonoise code component to produce a first intermediate signal;

multiplying the second of the combined streams by the in-phase pseudonoise code component to produce a second intermediate signal;

multiplying the first of the combined streams by the quadrature-phase pseudonoise code component to produce a third intermediate signal;

multiplying the second of the combined streams by the quadrature-phase pseudonoise code component to produce a fourth intermediate signal;

subtracting the fourth intermediate signal from the first intermediate signal to produce an in-phase product signal; and

adding the second intermediate signal to the third intermediate signal to produce a quadrature-phase product signal.

14. (Previously Presented) The method as claimed in claim 1, wherein the associated code is a Walsh code.

15. (Original) The method as claimed in claim 4, wherein a length of the second code is greater than the length of the third code.

16. (Original) The method as claimed in claim 1, further comprising:

adjusting gain of the plurality of streams of modulated symbols.

17. (Previously Presented) The method as claimed in claim 16, wherein said adjusting gain of the plurality of streams of modulated symbols comprises:

adjusting gain of a first stream of modulated symbols; and

adjusting gains of each of the remaining streams of modulated symbols to values determined relative to the gain of the first stream.

18. (Previously Presented) An apparatus for generating data for transmission from a subscriber unit to a base station, the apparatus comprising:

a plurality of modulators configured to modulate each of a plurality of channel encoded data with an associated code to produce a plurality of streams of modulated symbols;

a combiner, communicatively coupled to said plurality of modulators, configured to combine the plurality of streams of modulated symbols into a combined stream; and

a complex multiplier, communicatively coupled to said combiner, configured to complex multiply said combined stream with a complex pseudonoise code to reduce a peak-to-average ratio of the transmission,

wherein said plurality of modulators comprises:

a first modulator configured to modulate a pilot channel encoded data with a first code to produce a first stream of modulated symbols; and

a second modulator configured to modulate a user first channel encoded data with a second code to produce a second stream of modulated symbols.

19. (Canceled).

20. (Previously Presented) The apparatus as claimed in claim 18, wherein said combiner comprises:

a first adder configured to provide the first stream of modulated symbols as a first combined stream; and

a second adder configured to provide the second stream of modulated symbols as a second combined stream.

21. (Previously Presented) The apparatus as claimed in claim 18, wherein said plurality of modulators further comprises:

a third modulator configured to modulate a user second channel encoded data with a third code to produce a third stream of modulated symbols.

22. (Previously Presented) The apparatus as claimed in claim 18, wherein said combiner comprises:

a first adder configured to add the first stream of modulated symbols to the second stream of modulated symbols to provide a first combined stream; and

a second adder configured to provide said third stream of modulated symbols as a second combined stream.

23. (Previously Presented) The apparatus as claimed in claims 18, wherein said plurality of modulators further comprises:

a fourth modulator configured to modulate a control channel encoded data with a fourth code to produce a fourth stream of modulated symbols.

24. (Original) The apparatus as claimed in claim 23, wherein said combiner comprises:

a first adder configured to add the fourth stream of modulated symbols to the first stream of modulated symbols to provide a first combined stream; and

a second adder configured to add the fourth stream of modulated symbols to the second stream of modulated symbols to provide a second combined stream.

25. (Original) The apparatus as claimed in claim 21, wherein said plurality of modulators further comprises:

a fourth modulator configured to modulate a control channel encoded data with a fourth code to produce a fourth stream of modulated symbols.

26. (Original) The apparatus as claimed in claim 25, wherein said combiner comprises:

a first adder configured to add the first stream of modulated data to the second stream of modulated to provide a first combined stream; and

a second adder configured to add the fourth stream of modulated data to the third stream of modulated to provide a second combined stream.

27. (Previously Presented) The apparatus as claimed in claim 18, wherein the complex pseudonoise code comprises an in-phase pseudonoise code component and a quadrature-phase pseudonoise code component.

28. (Previously Presented) The apparatus as claimed in claim 27, wherein the in-phase pseudonoise code component and the quadrature-phase pseudonoise code component are multiplied by a long code.

29. (Currently Amended) The apparatus as claimed in claim 18, wherein said complex multiplier is configured to:

using a first of the combined ~~streams~~ stream and an in-phase pseudonoise code component as real parts; and

using a second of the combined streams and a quadrature-phase pseudonoise code component as imaginary parts.

30. (Previously Presented) The apparatus as claimed in claim 29, wherein said complex multiplier comprises:

a first multiplier configured to multiply the first combined stream by the in-phase pseudonoise code component to produce a first intermediate signal;

a second multiplier configured to multiply the second combined stream by the in-phase pseudonoise code component to produce a second intermediate signal;

a third multiplier configured to multiply the first combined stream by the quadrature-phase pseudonoise code component to produce a third intermediate signal;

a fourth multiplier configured to multiplying the second combined stream by the quadrature-phase pseudonoise code component to produce a fourth intermediate signal;

a first adder configured to subtract the fourth intermediate signal from the first intermediate signal to produce an in-phase product signal; and

a second adder configured to add the second intermediate signal to the third intermediate signal to produce a quadrature-phase product signal.

31. (Previously Presented) The apparatus as claimed in claim 18, wherein the associated code comprises a Walsh code.

32. (Original) The apparatus as claimed in claim 21, wherein a length of the second code is greater than the length of the third code.

33. (Original) The apparatus as claimed in claim 18, further comprising:

a plurality of gain adjusters configured to adjusting gain of the plurality of streams of modulated symbols.

34. (Previously Presented) The apparatus as claimed in claim 33, wherein said plurality of gain adjusters comprises:

a gain adjuster configured to adjust gain of a first stream of modulated symbols; and

a second plurality of adjusters configured to adjust gains of each of the remaining streams of modulated symbols to values determined relative to the gain of the first stream.